Windows XP And Windows Server: What's Cool And What's Coming

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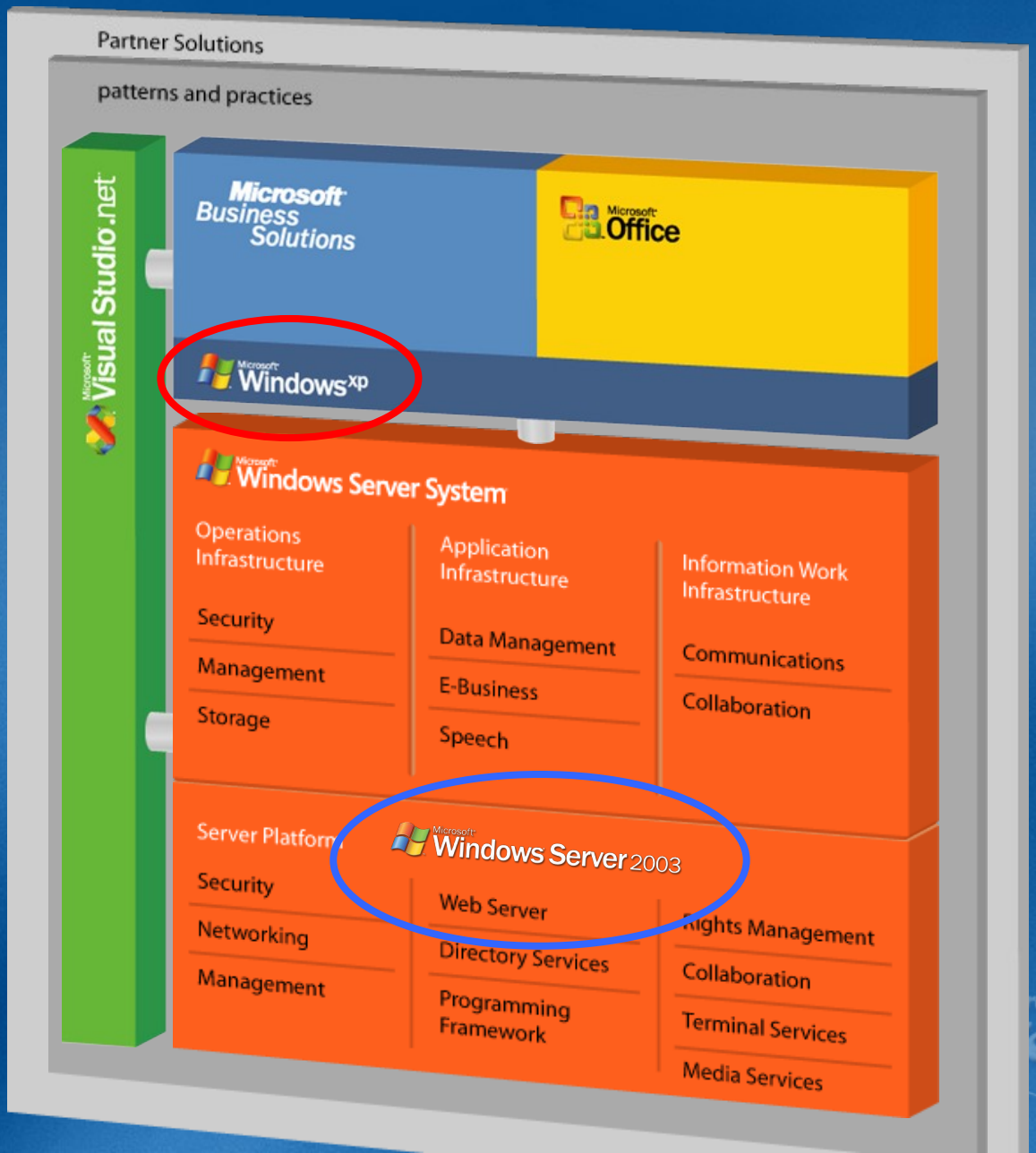
Agenda

- Integrated Innovation
- Windows XP SP2 and Windows Server 2003 SP1
- Additional Roadmap Milestones
- How to participate
- Summary

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Integrated Innovation

Microsoft Windows Server System



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Microsoft Windows

Key Themes

2005

- Mobility
- Identity management
- Network defense
- Branch office

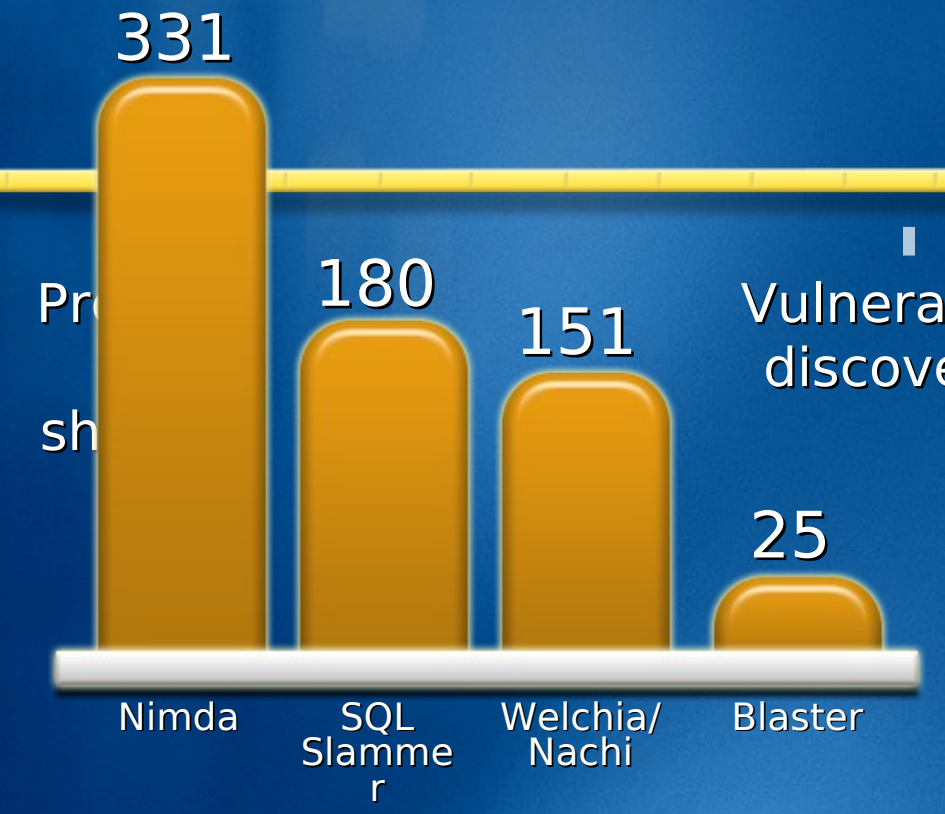
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- Security
- Manageability
- 64-bit Support
- Virtualization

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Security Exploit Timeline

Process, Tools Critical

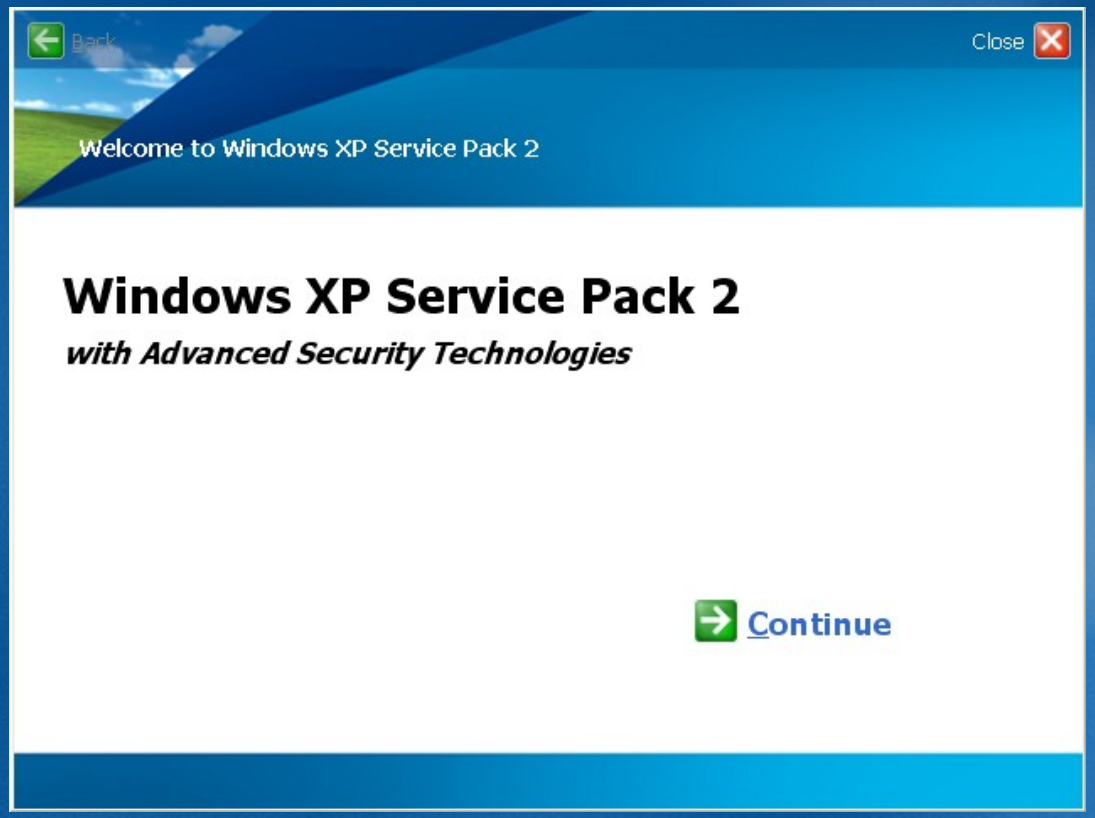


- **Days between Fix and Exploit**
  - Have decreased so that patching can't be the only defense in large organizations
  - 9 days is average for patch to be reverse engineered to identify vulnerability

Windows XP SP2

Block virus or malicious code at the “point of entry”

- Network Protection
- Safer Email and IM
- Safer Web Browsing
- Protection Against Buffer Overruns

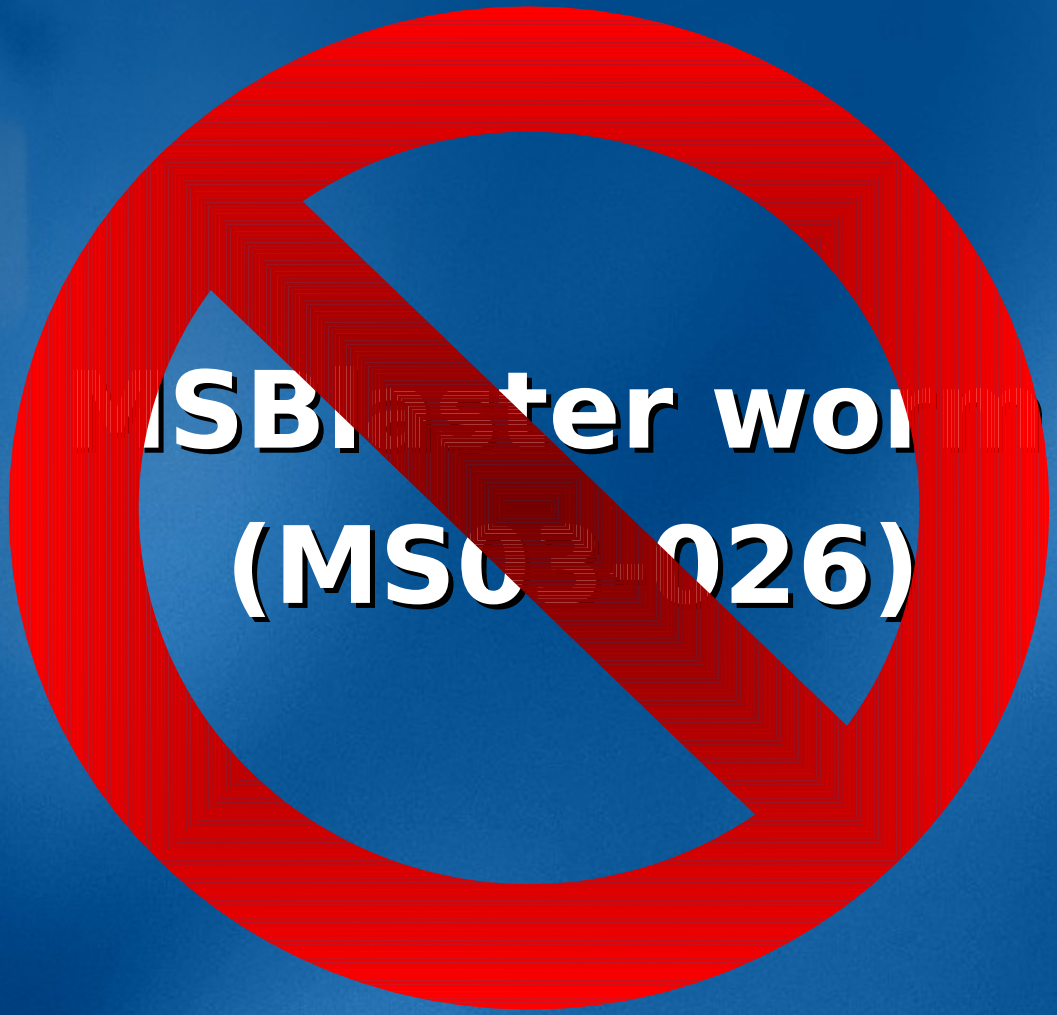


Communicate and collaborate in a more secure manner without sacrificing information worker productivity

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Solution: DCOM & RPC

Exploit mitigated by RPC/DCOM changes



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Leverage Group Policy

Enhance Security via One-to-Many Management

- Secure OS configuration:
  - Examples: Networking settings, application security, Windows Update settings, control panel access, remote assistance, Disk quotas, IE
- Ongoing change management
- Data safety, availability
  - Centrally store users' docs
  - Users have access from anywhere
- Free Seating
  - "My data/settings follow me"
  - Consistency of experience across machines
  - Useful for Call Centers, Labs, Conference Rooms, Receptionists
- Disaster recovery
- Many new policies enabled in XP SP2
  - Example: Windows Firewall configuration



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XP SP2 Enhancements

demo

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Title
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XP SP2 Summary

- ✓ Enhanced Security
- ✓ Increased Manageability
- ✓ Improved Experience

- Deployment Guidance and Tools
  - Microsoft Business Desktop Deployment Solution Accelerato (BDD)
    - SMS 2003 OS Deployment Feature Pack→ October 2004
  - Security Guidance Kit
  - Virtual PC
  - App Compatibility Toolkit Update
- More info
  - Features overview and SP2 preview - www.microsoft.com/sp2preview
  - Deployment: http://www.microsoft.com/technet/itsolutions/desktopdeployment/d ault.mspx
  - Security guidance: http://www.microsoft.com/security/guidance/

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Windows Server 2003
Service Pack 1

- Reliability improvements to address top customer issues
- Security enhancements
  - Relevant XP SP2 enhancements (e.g. RPC, DCOM lockdown)
  - Security Configuration Wizard
  - Boot-time network protection for clean installs
  - VPN client inspection
- Increased performance
  - 10%+ improvement in TPC, TPC-H, SAP, SSL, etc.
- Basis for 64-bit extended systems release

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Security Configuration Wizard

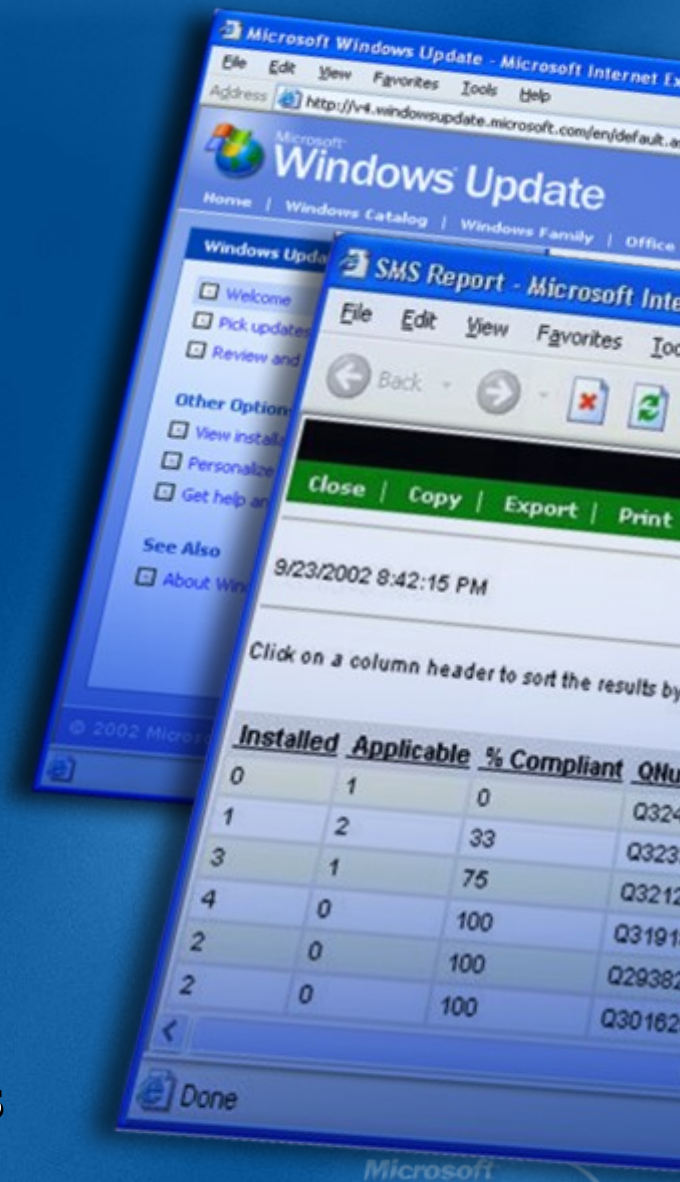
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Patch Management

- Windows Update Services 2.0 (formerly SUS)
  - New Content: Office, SQL, Exchange and Windows patches and service packs
  - Improved targeting & bandwidth management
  - Scale Out: Hierarchical & replica topology
  - Basic Status Reporting
  - Consistent scanning engine
  - Free to Microsoft customers
- SMS 2003
  - Full, advanced software distribution solution that includes patch management and asset management functionality
  - More fine-grained control



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What You Should Do

- Learn: Take training, read guidance, help educate users
- Test and Evaluate: Begin testing SP2 with pre-RTM code available at http://www.microsoft.com/sp2preview
- Plan for Deployment: Leverage Business Desktop Deployment Solution Accelerator
- Defense in depth: Consider multiple security countermeasures in addition to SP2
- Upgrade laptops & remote systems to Windows XP
- Standardize servers on Windows Server 2003

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Roadmap

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Microsoft Windows Release Roadmap

2005

- Windows Server: Codename “Longhorn” Beta
- Windows Client: Codename “Longhorn” Beta 1
- Windows Server 2003 Update: Codename “R

2004

- Windows Small Business Server 2003 SP1
- Windows Server 2003 for 64-Bit Extended Systems
- Windows Server 2003 Service Pack 1 (SP1)
- Windows XP Tablet Edition 2005
- Windows XP Media Center Edition 2005
- Windows XP Service Pack 2 (SP2)
- Virtual Server 2005
- Additional Feature Packs (e.g. Windows Update Services)

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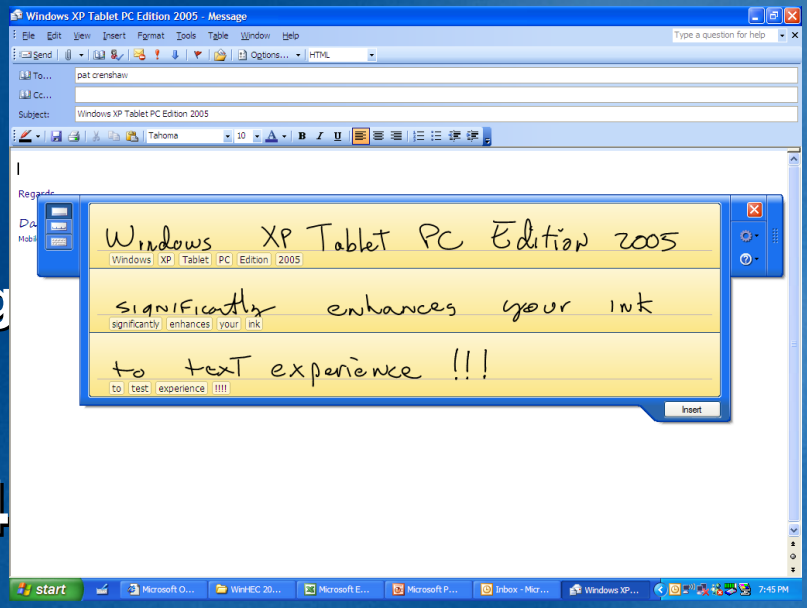
Windows XP Tablet PC Edition 2005

Design Priority

- Mainstream Pen and Ink functionality in Notebook PCs
- Help IT deploy

Focus Areas

- Improved Support for Single Image Deployment
- Input Panel (TIP) redesign
- Context-sensitive handwriting recognition
- Platform enhancements



Timing: Mid-Year 2004

- Available with Windows XP SP2
- Available to existing V1 users as free download from the web

Server Workloads Focus

Server Functions		Workloads
 Application Platform	• Application/Web Server • Unix integration services	• Database • High Performance Computing
 Information Worker Infrastructure	• Storage (file, portal) • Print	• Email • Collaboration
 Operational Infrastructure	• Networking • Remote Access • Security • Identity Mgmt	• Software Distribution • Virtualization • Operations Mgmt • Terminal Server
 Solutions	• Branch Office • Medium Business • Small Business	

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Beta

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Virtual Server 2005 Beta

The most cost effective virtual machine solution for Windows Server 2003 delivering increased operational efficiency for:



Software test/development

- Consolidation/automation of a centrally-managed server farm
- Simulation of distributed server application on a single system



Migration and Consolidation

- Legacy custom application migration
- Branch/departmental servers and disaster recovery sites

Key Benefits: Lower hardware costs, increased productivity

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Virtual Server 2005

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64-bit Extended Systems

Client and Server Support



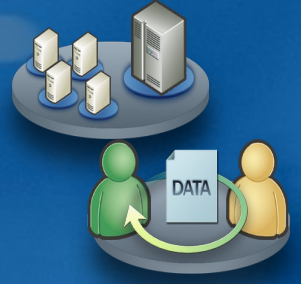
- Key value
  - Extends return on investment in 32-bit applications
  - Provides evolutionary path to 64-bit technology with greater price-performance
- Single code-base
  - AMD-Opteron, Intel Xeon EM64T supported with one product
- Impact
  - Runs most existing 32-bit apps with increased performance
  - 64-bit app platform for best performance & scalability

"First mover" Workloads: Preliminary Testing

Workload	Performance and Scale
32-bit Database	up 17%
32-bit Business Apps	SAP 10% more users
Networking	Record 7Gbit/sec xfer
File	111% higher user capacity
Active Directory	2x higher throughput
Terminal Services	50% more Users

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Windows Server 2003 Update
Codename “R2”



- Built on Windows Server 2003 SP1
- Key Themes and Scenarios:
  - Streamlined and Secure Information Access
  - Branch Office Workload Optimizations
- Availability and Licensing
  - Windows Server 2003 R2 - standard product
  - R2 is an SA benefit
  - Available as new server license for non-SA

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Seamless Anywhere Access

- Point to point access of file, Web, and Terminal Services
- Easy deployment
- Works from anywhere for users
- More secure than VPN



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Identity Federation

- Federates Identity for browser and rich client devices & apps
- Integrates with existing deployments of Active Directory
- Enables Web SSO for IIS and other WS-Federation enabled Web Servers



Network Defense



From Home (VPN, Dial up)



Returning Laptops



Unhealthy Desktops



Consultants Guests



- Health checkup
  - IT checks “health” of client
- Network Access Control
  - Clients who pass get network access
  - Clients who do not pass are fixed or blocked (aka “quarantined”)
- Health maintenance
  - Quarantined clients can be given access to resources to get healthy

Simplified Branch Servers



- Optimize WAN traffic
- Cache/Mirror content to branch location
- Manage centrally, backup data centrally
- Branch fully functional if connectivity fails

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How To Get Involved

Betas, Newsgroups and WindowsServerFeedback.com

- Try and evaluate the code:
  - XP SP2 (www.microsoft.com/sp2preview)
  - Windows Server 2003 SP1
  - Virtual Server 2005
  - Windows XP and Windows Server 2003 for 64-bit Extended
- Use the Windows client and server newsgroups
- Share your ideas with the Windows Server Development Team via WindowsServerFeedback.com
  - You can also participate in:
    - Online surveys about product feature priorities
    - Product focus groups
    - TechBeta
- Go to relevant sessions this week!

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Summary

- Our goal: Helping you Do More with Less
- Integrated innovation helps you deliver
- Evaluate Windows XP SP2 and Windows Server 2003 SP1
- Roadmap helps you plan
- We value your input, please share it with us!

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